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By: 
Roger Hylton

PATENT
Attorney Docket No.: 20618-000600US
Client Reference No.: N9-59
127-01
w/a Hageman

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Gregory S. Hageman

Application No.: 09/511,008 ✓

Filed: February 22, 2000

For: DIAGNOSTICS AND
THERAPEUTICS FOR ARTERIAL
WALL DISRUPTIVE DISORDERS

Examiner: Unassigned

Art Unit: 1632 ✓

INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR §1.97 and
§1.98

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The references cited on attached form PTO-1449 are being called to the attention of the Examiner. Copies of the references are enclosed. Also enclosed are copies of the International Search Report and the Written Opinion issued in the corresponding PCT application. It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and

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no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement, since it is being submitted prior to the first Office Action. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,



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O I P E S

FORM PTO-1449 (Modified)	Attorney Docket No.: 20618-000600US	Application No.: 09/511,008
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	Applicant: Gregory S. Hageman	
	Filing Date: February 22, 2000	Group: 1632

Reference Designation		U.S. PATENT DOCUMENTS				Page 1
Examiner Initial	Document No.	Date	Name	Class	Sub-class	Filing Date (If Appropriate)

FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub-class	Translation (Yes/No)
AA	WO 97 40849	11/06/97	PCT			
AB	WO 94 01123	01/20/94	PCT			

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AC	Allaire E, et al., "Local overexpression of TIMP-1 prevents aortic aneurysm degeneration in a rat model," <i>J Clin Invest</i> , 102(7), 1413-20, 1998
AD	Anidjar S, et al., "Experimental study of determinants of aneurysmal expansion of the abdomen," <i>Ann Vasc Surg</i> , 9(2), 127-36, 1994.
AE	Aoyagi M, et al., "Smooth muscle cell proliferation, elastin formation, and tropoelastin transcripts during the development of intimal thickening in rabbit carotid arteries after endothelial denudation," <i>Histochem Cell Biol</i> 107:117, 1997.
AF	Beckman, EN, "Plasma cell infiltrates in atherosclerotic abdominal aortic aneurysms," <i>AM. J. Clin. Pathol.</i> , 85:21-24, 1986
AG	Bigatel DA, et al., "The matrix metalloproteinase inhibitor BB-94 limits expansion of experimental abdominal aortic aneurysms," <i>J Vasc Surg</i> , 29(1):130-8; discussion 138-9, 1999.
AH	Bilato and Crow "Atherosclerosis and the vascular biology of aging," <i>Aging</i> 8(4):221-34, 1996.
AI	Bobryshev, Y.V. et al., "Immunophenotypic analysis of the aortic aneurysm wall suggests that vascular dendritic cells are involved in immune responses," <i>Cardiovascular Surgery</i> , 6(3):240-249, 1998.
AJ	Boyle JR, et al., "Amlodipine potentiates metalloproteinase activity and accelerates elastin degradation in a model of aneurysmal disease," <i>Eur J Vasc Endovasc Surg</i> , 16(5):408-14, 1998.
AK	Boyle JR, et al., "Doxycycline inhibits elastin degradation and reduces metalloproteinase activity in a model of aneurysmal disease," <i>J Vasc Surg</i> , 27(2):354-61, 1998.
AL	Brophy, CM et al., "Decreased tissue inhibitor of metalloproteinases (TIMP) in abdominal aortic aneurysm tissue: a preliminary report," <i>J Surg Research</i> 50:653-657, 1991.
AM	Brophy, CM et al., "The role of inflammation in nonspecific abdominal aortic aneurysm disease," <i>Annals Vasc. Surg.</i> , 5:229-233, 1991.
AN	Buckmaster MJ, et al., "Source of elastin-degrading enzymes in mycotic aortic aneurysms: bacterial or inflammatory response?," <i>Cardiovasc Surg</i> , 71:16-26, 1999.
AO	Campa, "Elastin degradation in abdominal aortic aneurysms," <i>JS, Atherosclerosis</i> 65:13-21, 1987.
AP	Capella, et al. "Complement activation and subclassification of tissue immunoglobulin G in the abdominal aortic aneurysm," <i>(J. Surg. Research</i> 65:31-33, 1996.
AQ	Cattell MA, et al., "Increased elastin content and decreased elastin concentration may be predictive factors in dissecting aneurysms of human thoracic aorta," <i>Cardiovasc Res</i> , 27(2):176-81, 1993.
AR	Chaine, G. et al., "Case control study of the risk factors for age related macular degeneration. France DMLA study group," STN Database accession no. 1999109465, XP0021455344.
AS	Cohen, et al., " α 1-Antitrypsin phenotypes in patients with abdominal aortic aneurysms," <i>J. Surg. Res.</i> 49:319-321, 1990.
AT	Cunningham, R.D. et al., "Aneurysm of the ophthalmic artery with drusen of the optic nerve head," <i>American Journal Ophthalmology</i> , 72 (4), pages 743-5, 1971.
AU	Curci JA, et al., "Expression and localization of macrophage elastase matrix metalloprotein abdominal aortic aneurysms," <i>J Clin Invest</i> , 102(11):1900-10, 1998.
AV	Davis V, et al., "Matrix metalloproteinase-2 production and its binding to the matrix are in abdominal aortic aneurysms," <i>Arterioscler Thromb Vasc Biol</i> , 18(10):1625-33, 1998.

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O I P E J C

FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Attorney Docket No.: 20618-000600US Applicant: Gregory S. Hageman Filing Date: February 22, 2000	Application No.: 09/511,008 Group: 1632
AW	Elmore JR, et al., "Expression of matrix metalloproteinases and TIMPs in human abdominal aneurysms," Ann Vasc Surg, 12(3):221-8, 1998.		
AX	Feeney-Burns, L., and Ellersieck, M. "Age-related changes in the ultrastructure of bruch's membrane," Amer. J. Ophthalmol., 100, 686-697, 1985.		
AY	Gargiulo M, et al., "Content and turnover of extracellular matrix protein in human "nonspecific" inflammatory abdominal aortic aneurysms," Eur J Vasc Surg, 7(5):546-53, 1993.		
AZ	Grange JJ, et al., "Pathogenesis of abdominal aortic aneurysm: an update and look toward the future," Cardiovasc Surg, 5(3):256-65, 1997.		
BA	Gregory, et al., "Features of autoimmunity in the abdominal aortic aneurysm," Arc Surg, 131:85-88, 1996.		
BB	Guo, et al., "Matrix metalloproteinase and their inhibitors in vitreous in age-related macular degeneration and proliferative diabetic retinopathy" IOVS (Suppl) 38:S354, 1997.		
BC	He , et al., "The composition and mechanical properties of abdominal aortic aneurysm," J Vasc Surg, 20(1):6-13 1994.		
BD	Hirose, H. et al., "Molecular cloning of the complementary DNA for an additional member of the family of aortic aneurysm antigenic proteins," J. Vasc. Surg. 26: 313-318, 1997.		
BE	Hirose, H., et al., "Genetic risk factor for abdominal aortic aneurysm: HLA-DR2(15), A Japanese study," J. Vasc. Surg. 27:500-503, 1998.		
BF	Holmes DR, et al., "Indomethacin prevents elastase-induced abdominal aortic aneurysms in the rat," J Surg Res, 63(1):305-9, 1996.		
BG	Holz, F., et al. "Analysis of lipid deposits extracted from human macular and peripheral bruch's membrane," Arch. Ophthalmol., 112, 402-406, 1994.		
BH	Keen RR, et al., "Interleukin-1 beta induces differential gene expression in aortic smooth muscle," J Vasc Surg, 20(5):774-86, 1994.		
BI	Koch, et al., Human abdominal aortic aneurysms," Am. J. Path., 137:1199-1213, 1990.		
BJ	Kuivaniemi, et al., "Fibulin-2 exhibits high degree of variability, but no structural changes concordant with abdominal aortic aneurysm," Eur. J. Hum. Gen 6:642-646, 1998.		
BK	Kuivaniemi, H. et al., "Genetic causes of aortic aneurysms," J. Clin. Invest. 88:1441-1444, 1991.		
BL	Menashi, S., "Collagen in abdominal aortic aneurysm: typing, content, and degradation," J. Vasc. Surg., 578-582, 1987.		
BM	Minion DJ, et al., "Elastin is increased in abdominal aortic aneurysms," J Surg Res, 57(4):443-6, 1994.		
BN	Miralles M, et al., "Indomethacin inhibits expansion of experimental aortic aneurysms via inhibiting the cox2 isoform of cyclooxygenase," J Vasc Surg, 29(5):884-93, 1999.		
BO	Moore G, et al., "Suppression of experimental abdominal aortic aneurysms by systemic treatment with hydroxamate-based matrix metalloproteinase inhibitor (RS 132908)," J Vasc Surg, 20(3):522-32, 1999.		
BP	Newman KM, et al., "Matrix metalloproteinases in abdominal aortic aneurysm: characterization, purification, and their possible sources," Connect Tissue Res, 30(4):265-76, 1994.		
BQ	Newsome, D., et al., "Reaction of specific extracellular matrix molecules in drusens, bruch's membrane, and ciliary body," Amer. J. Ophthalmol., 104, 373-381, 1987.		
BR	Ozsvath, K., et al., "Molecular mimicry in human aortic aneurysmal diseases," Annals NY Acad. Sci., 800:288-293, 1996.		
BS	Powell JT, et al., "Interaction between fibrillin genotype and blood pressure and the develop aneurysmal disease," Ann NY Acad Sci, 800(-HD-):198-207, 1996.		
BT	Rasmussen TE, et al., "Genetic risk factors in inflammatory abdominal aneurysms: polymorphic residue 70 in the HLA-DR B1 gene as a key genetic element," J Vasc Surg, 25(2):356-64, 1997.		
BU	Reilly, J. M., "Plasminogen activators in abdominal aortic aneurysmal disease," Annals NY Acad. Sci., 800:151-156, 1996.		
BV	Robert L, et al., "Elastin-elastase-atherosclerosis revisited," Atherosclerosis, 140(2):281-95, 1998.		
BW	Sacks, S.G. et al., "The pathogenesis of optic nerve drusen. A hypothesis," Archives of Ophthalmology 95(3), pages 425-8, 1977.		
BX	Sakalihasan N, et al., "Activated forms of MMP2 and MMP9 in abdominal aortic aneurysms," J Vasc Surg, 24(1):127-33, 1996.		

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		Filing Date: February 22, 2000	Group: 1632
BY	Sauvage M, et al., "Localization of elastin mRNA and TGF-beta in rat aorta and caudal artery as a function of age," Cell Tissue Res. 29:305-314, 1998.		
BZ	Sobolewski, K. et al., Act. Biocim. Polonica, 42:301-308, 1995.		
CA	Stanley JC et al., "Splanchnic and renal artery aneurysms," pp. 468-481 in WS Moore, <u>Vascular Surgery: A Comprehensive Review</u> , WB Saunders, 1998.		
CB	Starita, C., et al., Exp. Eye Res., 62, 565-572, 1996.		
CC	Tamarina NA, et al., "Expression of matrix metalloproteinases and their inhibitors in aneurysms of the aorta," Surgery, 122(2):264-72, 1997.		
CD	Tamarina et al., "Proteoglycan gene expression is decreased in abdominal aortic aneurysms," J. Surg. Research 74:76-80, 1998.		
CE	Tromp, G. et al., "Sequencing of cDNA from 50 unrelated patients reveals that mutations in the triple-helical domain of type III procollagen are an infrequent cause of aortic aneurysms," J. Clin. Invest., 91:2539-2545, 1993.		
CF	Verloes, A., et al., "Aneurysms of the abdominal aorta: familial and genetic aspects in three hundred thirteen pedigrees," J. Vasc. Surg. 21:646-655, 1995.		
CG	Vine and Powell, "Metalloproteinases in degenerative aortic disease," Clinical Sci., 81:233-239, 1991.		
CH	Vingerling, J.R. et al., "Age related macular degeneration and smoking. The Rotterdam study," Arch Phthalmol., vol. 114, no. 10, pages 1193-1196, 1996.		
CI	Walton LJ, et al., "Inhibition of prostaglandin E2 synthesis in abdominal aortic aneurysms: implications for smooth muscle cell viability, inflammatory processes, and the expansion of abdominal aortic aneurysms," Circulation, 100(1):48-54, 1999.		
CJ	White, et al., "Adventitial elastolysis is a primary event in aneurysm formation," J Vasc Surg, 17(2):371-81, 1993.		
CK	Xia, S et al., "Partial amino acid sequence of a novel 40-kDa human aortic protein, with vitronectin-like, fibrinogen-like, and calcium binding domains: aortic aneurysm-associated protein-40 (AAAP-40)[human MAGP-3,proposed]," Biochem. Biophys. Research Communication, 219:36-39, 1996.		
EXAMINER	<i>d. James J.</i>		DATE CONSIDERED 11/2/01

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.